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Anti-GPR171 Antibody

Catalog # AP51238

Product Information

Application	WB
Primary Accession	O14626
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36754

Additional Information

Gene ID	29909
Other Names	H963; Probable G-protein coupled receptor 171; G-protein coupled receptor H963
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR171. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

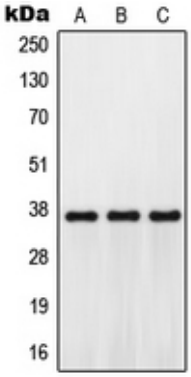
Name	GPR171 (HGNC:30057)
Synonyms	H963
Function	G protein-coupled receptor for Big LEN, a 16-amino acid neuropeptide produced from the precursor protein, proSAAS (encoded by PCSK1N). Acts through a G(i)-alpha-mediated pathway in response to Big LEN. Big LEN-GPR171 system plays an important role in regulating feeding and metabolism. Also plays a role in modulating fear and anxiety-like behaviors in the basolateral amygdala. Big LEN-GPR171 modulates the mu-type opioid receptor signaling and antinociception (By similarity). Acts as a negative regulator T cell function (PubMed:34615877).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q8BG55}; Multi-pass membrane protein. Note=Colocalized with GPR83 in the paraventricular nucleus. {ECO:0000250|UniProtKB:Q8BG55}

Tissue Location	Expressed in both T-cell subsets and natural killer cells, while it is undetectable in B cells or CD14(+) monocytes Expressed in peripheral blood mononuclear cells (PBMC) and Jurkat cells (at protein level).

References

Jacobs K.A.,et al.Gene 198:289-296(1997).
Joensuu T.,et al.Am. J. Hum. Genet. 69:673-684(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of GPR171 expression in Jurkat (A), mouse kidney (B), H9C2 (C) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 37 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.